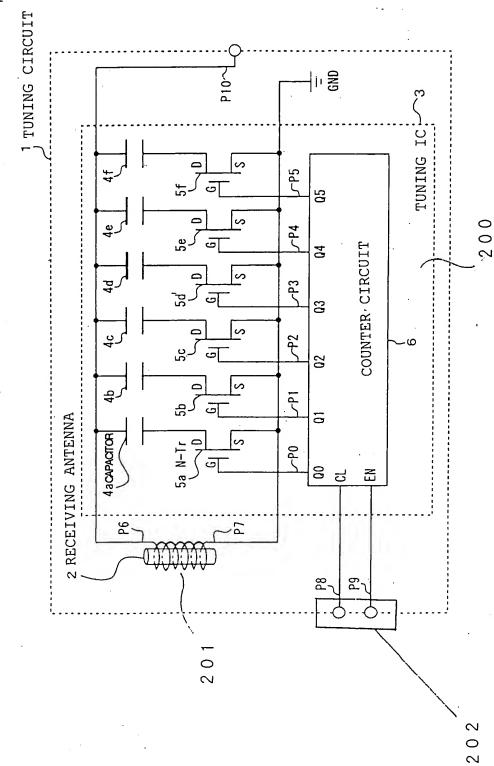
Fig. 1



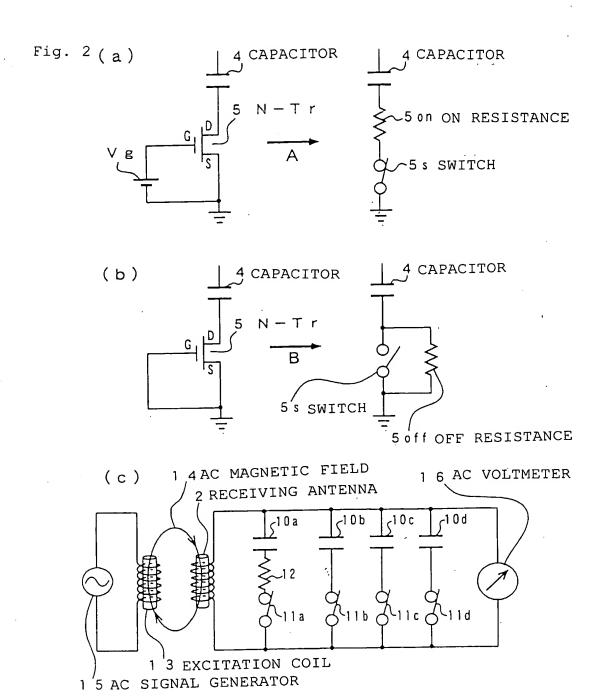


Fig. 3
IMPEDANCE RATIO VERSUS ANTENNA GAIN CHARACTERISTICS

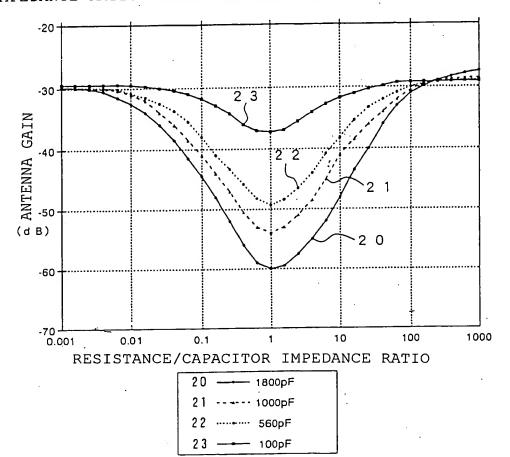
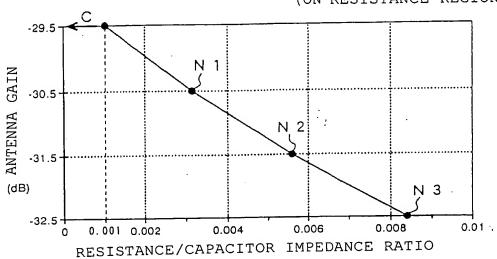
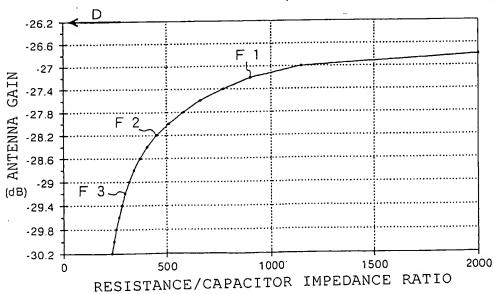


Fig. 4 (a)

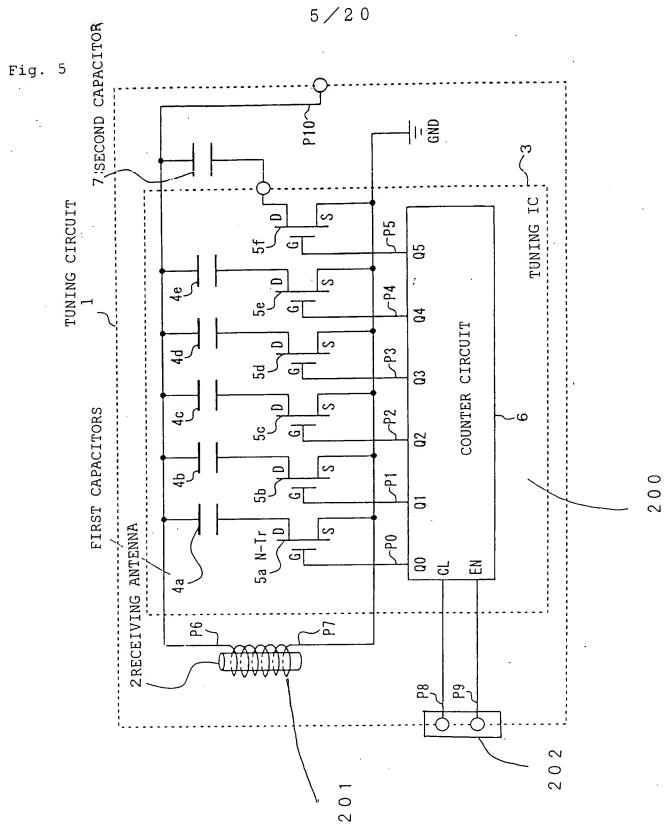
IMPEDANCE RATIO VERSUS ANTENNA GAIN CHARACTERISTICS (ON RESISTANCE REGION)

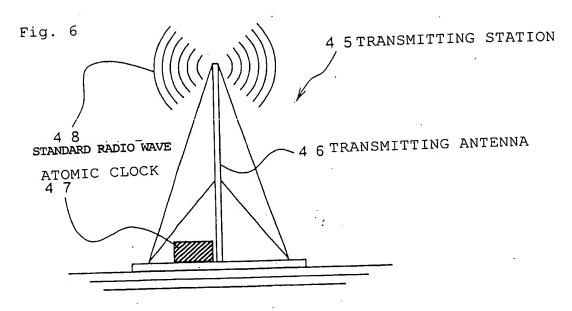


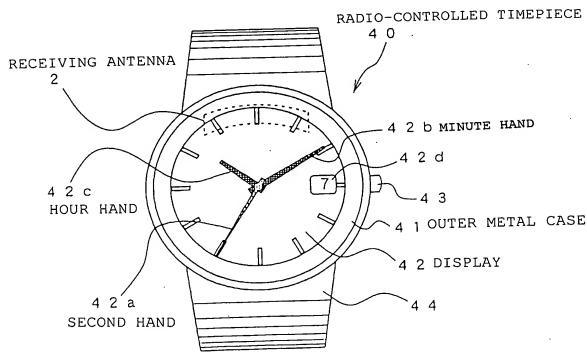
(b)
IMPEDANCE RATIO VERSUS ANTENNA GAIN CHARACTERISTICS
(OFF RESISTANCE REGION)











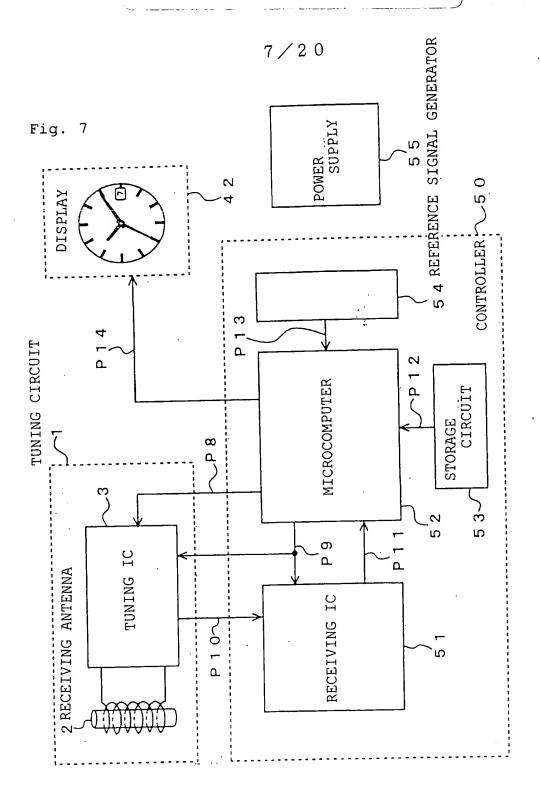
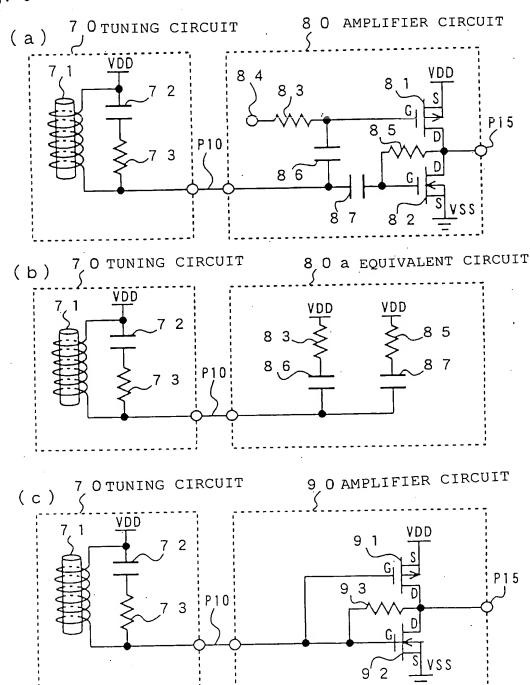
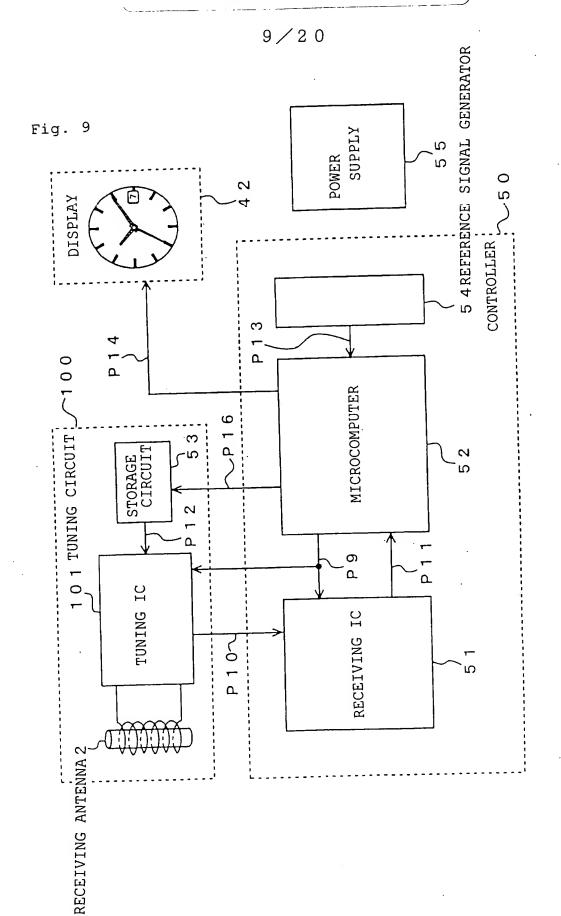


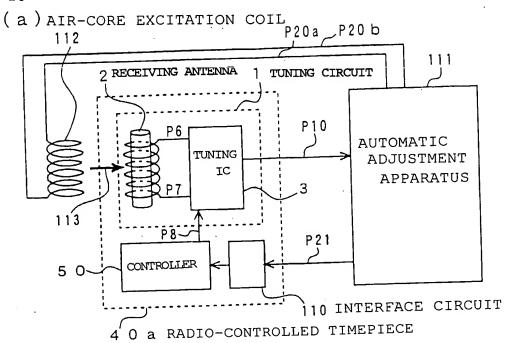
Fig. 8





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Fig. 10



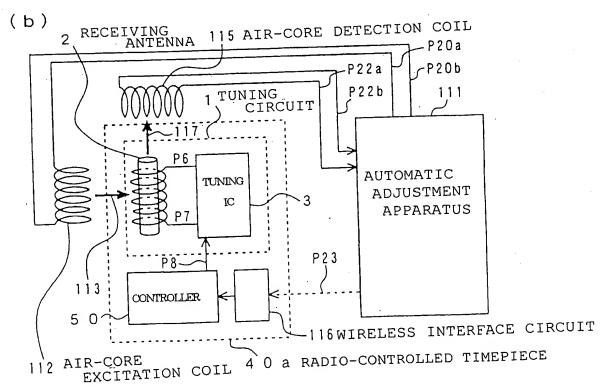


Fig. 11 ANTENNA OUTPUT CHARACTERISTICS

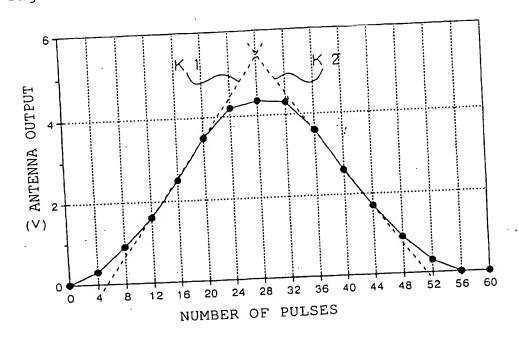
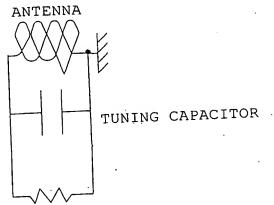
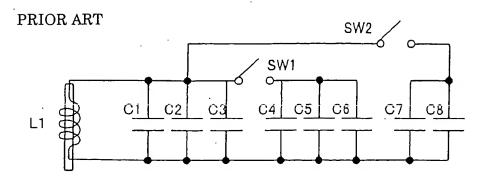


Fig. 23



AMPLIFIER CIRCUIT RESISTANCE

Fig. 12



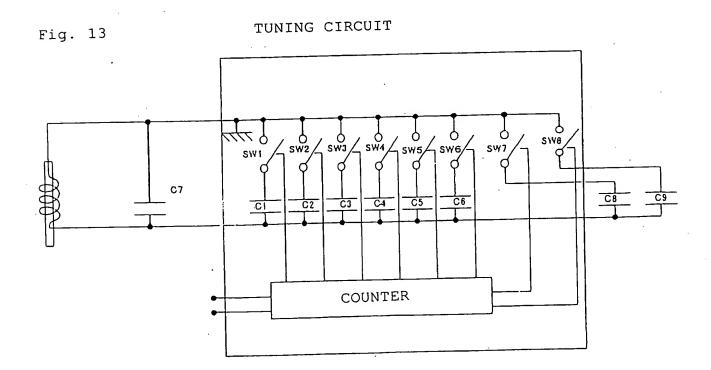


Fig. 14

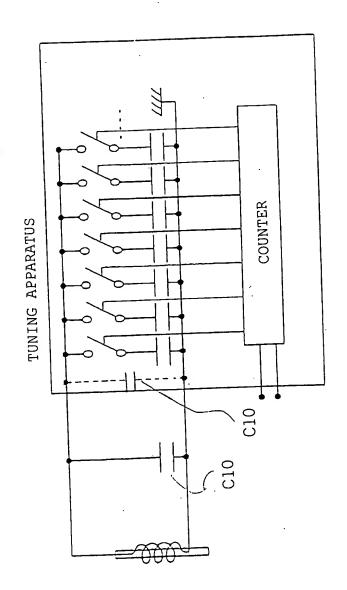
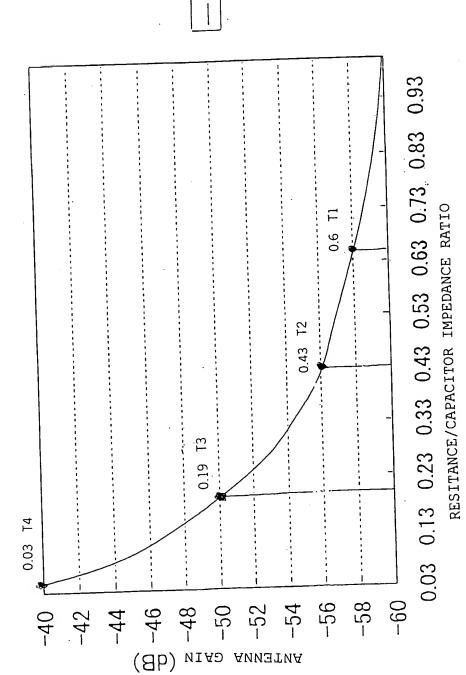


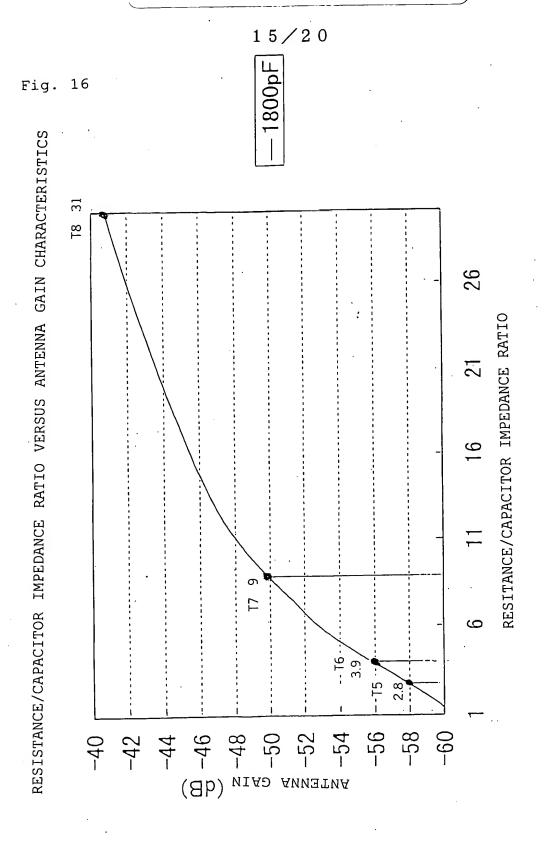


Fig. 15

RESISTANCE/CAPACITOR IMPEDANCE RATIO VERSUS ANTENNA GAIN CHARACTERISTICS

-1800pF





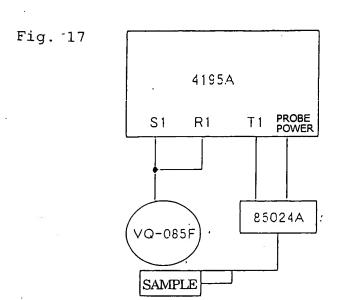
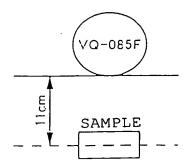
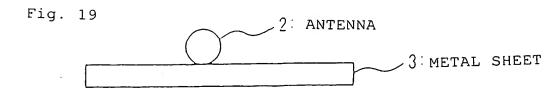


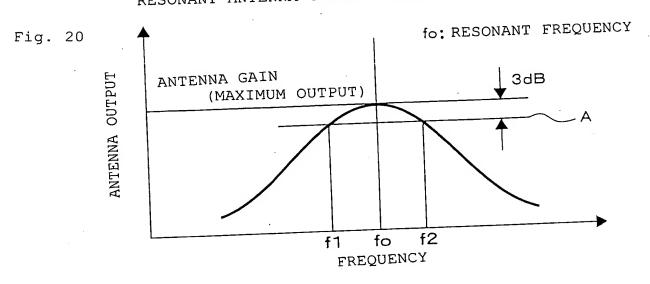
Fig. 18 ANTENNA-TO-SAMPLE DISTANCE



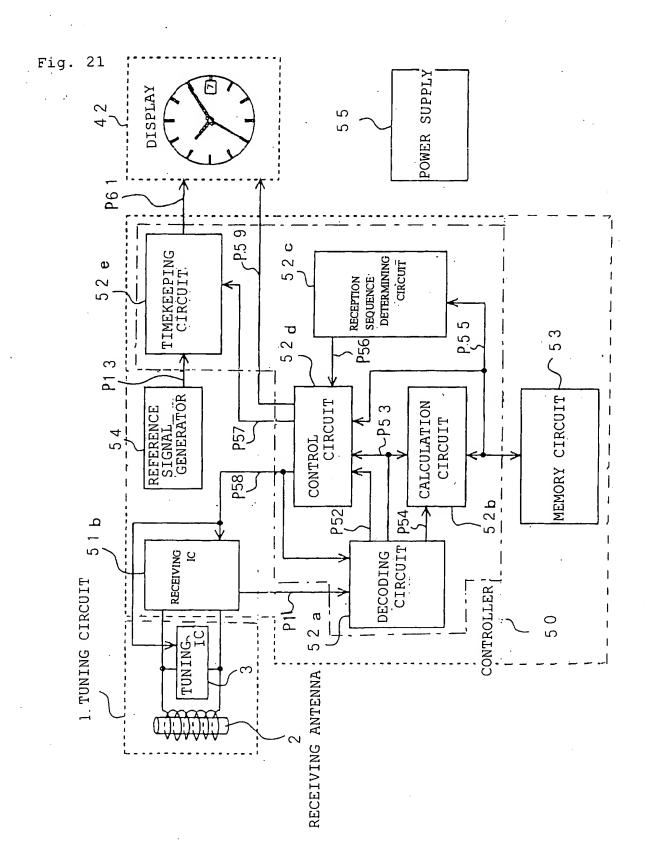


DISTANCE FROM ANTENNA TO METAL SHEET: 0mm

## RESONANT ANTENNA OUTPUT CHARACTERISTICS



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## RECEPTION HISTORY INFORMATION TABLE

Fig. 22

9			
		RECEPTION	
	У.	PROCESSING	
ADDRESS	RECEIVED STATION NAME	TIME	RECEIVED LEVEL
1	JJY FUKUSHIMA	3 MINUTES	Н
2	JJY KYUSHU	6 MINUTES	Н
3	JJY KYUSHU	5 MINUTES	M
4	RECEPTION ERROR		
5	DCF77	8 MINUTES	L
6	DCF77 (77.5 kHz)	7 MINUTES	M
7	WWVB	5 MINUTES	M
8	JJY FUKUSHIMA	2 MINUTES	H .
9	JJY FUKUSHIMA	5 MINUTES	Н
10	JJY KYUSHU (60 kHz)	4 MINUTES	M
11	WWVB (60 kHz)	10 MINUTES	L
12	JJY FUKUSHIMA (40 kHz)	6 MINUTES	M
•	•	•	
•	•	•	•
N	•	•	•

Fig. 24

